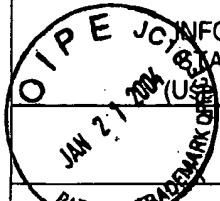


Express Mail: ER 224693205 US

FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. M03A287	SERIAL NO. 10/064,154			
 JAN 21 2004		APPLICANT Fink et al.					
		FILING DATE June 14, 2002	GROUP 1724	1753			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
SHV	1	4,028,246	June 7, 1977	Lund et al.	210	151	
SHV	2	4,094,237	June 13, 1978	Riordan	99	451	
SHV	3	4,323,437	Apr. 6, 1982	Mucenieks	204	98	
SHV	4	4,400,270	Aug. 23, 1983	Hillman	210	103	
SHV	5	4,427,636	Jan. 24, 1984	Obenshain	422	186.07	
SHV	6	4,469,951	Sep. 4, 1984	Coco et al.	250	494.1	
SHV	7	4,482,809	Nov. 13, 1984	Maarschalkerweerd	250	436	
SHV	8	4,534,282	Aug. 13, 1985	Marinoza	99	451	
SHV	9	4,536,332	Aug 20, 1985	Davis et al.	260	97.6	
SHV	10	4,547,197	Oct. 15, 1985	Winkler	23	302 T	
SHV	11	4,621,195	Nov. 4, 1986	Larsson	250	438	
SHV	12	4,661,264	Apr. 28, 1987	Goudy, Jr.	210	748	
SHV	13	4,694,179	Sept. 15, 1987	Lew et al.	250	431	
SHV	14	4,766,321	Aug. 23, 1988	Lew et al.	250	431	
SHV	15	4,798,702	Jan. 17, 1989	Tucker	422	24	
SHV	16	4,872,980	Oct. 10, 1989	Maarschalkerweerd	210	243	
SHV	17	4,899,056	Feb. 6, 1990	Ellner	250	431	
SHV	18	4,899,057	Feb 6, 1990	Koji	250	436	
SHV	19	4,922,114	May 1, 1990	Boehme	250	436	
SHV	20	4,968,489	Nov. 6, 1990	Peterson	422	186.3	
SHV	21	4,968,891	Nov. 6, 1990	Jhawar et al.	250	438	
SHV	22	4,971,687	Nov. 20 1990	Anderson	210	85	
SHV	23	5,006,244	Apr. 9, 1991	Maarschalkerweerd	210	243	
SHV	24	5,035,784	July 30, 1991	Anderson et al.	204	158.14	
SHV	25	5,037,618	Aug. 6, 1991	Hager	422	186.03	
SHV	26	5,114,670	May 19, 1992	Duffey	422	24	
SHV	27	5,141,636	Aug. 25, 1992	Flanagan et al.	210	209	



<i>SHV</i>	5,144,146	Sept. 1, 1992	Wekhof	250	492.1		
<i>SHV</i>	29	5,145,515	Sept. 8, 1992	Gallup et al.	75	712	
<i>SHV</i>	30	5,150,705	Sept. 29, 1992	Stinson	128	396	
<i>SHV</i>	31	5,166,527	Nov. 24, 1992	Solymar	250	436	
<i>SHV</i>	32	5,186,907	Feb. 16, 1993	Yanagi et al.	422	186.3	
<i>SHV</i>	33	5,200,156	Apr. 6, 1993	Wedekamp	422	186.3	
<i>SHV</i>	34	5,207,921	May 4, 1993	Vincent	210	704	
<i>SHV</i>	35	5,208,461	May 4, 1993	Tipton	250	436	
<i>SHV</i>	36	5,230,792	Jul. 27, 1993	Sauska et al.	210	97	
<i>SHV</i>	37	5,266,215	Nov. 1993	Engelhard	210	748	
<i>SHV</i>	38	5,288,461	Feb. 22, 1994	Gray	422	24	
<i>SHV</i>	39	5,290,439	Mar. 1, 1994	Buchwald	210	198.1	
<i>SHV</i>	40	5,308,505	May 3, 1994	Titus et al.	210	745	
<i>SHV</i>	41	5,320,749	Jun. 14, 1994	Mullen	210	199	
<i>SHV</i>	42	5,352,359	Oct. 4, 1994	Nagai et al.	210	192	
<i>SHV</i>	43	5,366,705	Nov. 22, 1994	Reidy	422	243	
<i>SHV</i>	44	5,368,826	Nov. 29, 1994	Weltz et al.	422	243	
<i>SHV</i>	45	5,393,419	Feb. 28, 1995	Tiede et al.	210	192	
<i>SHV</i>	46	5,401,394	Mar. 28, 1995	Markham	210	85	
<i>SHV</i>	47	5,413,768	May 9, 1995	Stanley, Jr.	422	186.3	
<i>SHV</i>	48	5,418,370	May 23, 1995	Maarschalkerweerd	250	431	
<i>SHV</i>	49	5,422,487	June 6, 1995	Sauska et al.	250	436	
<i>SHV</i>	50	5,440,131	Aug. 8, 1995	Hutchison et al.	250	435	
<i>SHV</i>	51	5,471,063	Nov. 28, 1995	Hayes et al.	250	436	
<i>SHV</i>	52	5,504,335	Apr. 2, 1996	Maarschalkerweerd	250	435	
<i>SHV</i>	53	5,505,904	Apr. 9, 1996	Haidinger et al.	422	24	
<i>SHV</i>	54	5,529,689	June 25, 1996	Korin	210	232	
<i>SHV</i>	55	5,532,549	July 2, 1996	Duzyk et al.	313	489	
<i>SHV</i>	56	5,539,209	July 23, 1996	Maarschalkerweerd	250	436	
<i>SHV</i>	57	5,540,848	July 30, 1996	Engelhard	210	748	
<i>SHV</i>	58	5,547,635	Aug. 20, 1996	Duthie, Jr.	422	24	
<i>SHV</i>	59	5,560,958	Oct. 1, 1996	Duzyk et al.	427	67	
<i>SHV</i>	60	5,573,666	Nov. 12, 1996	Korin	210	232	
<i>SHV</i>	61	5,580,461	Dec. 3, 1996	Cairns et al.	210	673	
<i>SHV</i>	62	5,589,132	Dec. 31, 1996	Zippel	422	24	



M03A288

SHV	63	5,590,390	Dec. 31, 1996	Maarschalkerweerd	422	186.3	
SHV	64	5,597,482	Jan. 28, 1997	Melyon	210	209	
SHV	65	5,611,918	Mar. 18, 1997	Markham	210	87	
SHV	66	5,612,001	Mar. 18, 1997	Matschke	422	121	
SHV	67	5,614,723	Mar. 25, 1997	Oppenländer et al.	250	435	
SHV	68	5,624,573	Apr. 29, 1997	Wiesmann	210	748	
SHV	69	5,626,768	May 6, 1997	Ressler et al.	210	748	
SHV	70	5,628,895	May 13, 1997	Zucholl	210	85	
SHV	71	5,655,483	Aug. 12, 1997	Lewis et al.	119	720	
SHV	72	5,660,719	Aug. 26, 1997	Kurtz et al.	210	85	
SHV	73	5,675,153	Oct. 7, 1997	Snowball	250	438	
SHV	74	5,707,594	Jan. 13, 1998	Austin	422	186.3	
SHV	75	5,744,094	Apr. 28, 1998	Castberg et al.	422	24	
SHV	76	5,753,106	May 19, 1998	Schenck	210	96.1	
SHV	77	5,779,912	July 14, 1998	Gonzalez-Martin et al.	210	748	
SHV	78	5,780,860	July 14, 1998	Gadgil et al.	250	432 R	
SHV	79	5,835,840	Nov. 10, 1998	Goswami	422	186.3	
SHV	80	5,846,437	Dec. 8, 1998	Whitby et al.	210	748	
SHV	81	5,874,740	Feb. 23, 1999	Ishiyama	250	431	
SHV	82	5,885,449	Mar. 23, 1999	Bergmann et al.	210	198.1	
SHV	83	5,911,910	Jun. 15, 1999	Becraft et al.	252	188.28	
SHV	84	5,925,320	July 20, 1999	Jones	422	121	
SHV	85	5,933,702	Aug. 3, 1999	Goswami	422	186.3	
SHV	86	5,937,266	Aug. 10, 1999	Kadoya	422	186.3	
SHV	87	5,942,110	Aug. 24, 1999	Norris	210	198.1	
SHV	88	5,952,663	Sept. 14, 1999	Blatchley, III et al.	250	435	
SHV	89	5,958,336	Sept. 28, 1999	Duarte	422	24	
SHV	90	5,961,920	Oct. 5, 1999	Söremark	422	24	
SHV	91	5,997,812	Dec. 7, 1999	Burnham et al.	422	24	
SHV	92	6,013,917	Jan. 11, 2000	Ishiyama	250	430	
SHV	93	6,071,473	June 6, 2000	Darwin	422	20	
SHV	94	6,083,387	July 4, 2000	LeBlanc et al.	210	199	
SHV	95	6,090,296	July 18, 2000	Oster	210	748	
SHV	96	6,120,691	Sept. 19, 2000	Mancil	210	748	
SHV	97	6,126,841	Oct. 3, 2000	Whitby et al.	210	748	



SHV	108	6,129,893	Oct. 10, 2000	Bolton et al.	422	23	
SHV	99	6,149,343	Nov. 21, 2000	Lewis et al.	405	127	
SHV	100	6,150,663	Nov. 21, 2000	Rosenthal	250	435	
SHV	101	6,183,652	Feb. 6, 2001	Crevasse et al.	210	748	
SHV	102	6,193,939	Feb. 27, 2001	Kozlowski	422	186.3	
SHV	103	6,202,384	Mar. 20, 2001	Kurth et al.	53	141	
SHV	104	6,217,834	Apr. 17, 2001	Hosein et al.	422	186.3	
SHV	105	6,231,820	May 15, 2001	Wedekamp	422	186.3	
SHV	106	6,248,235	June 19, 2001	Scott	210	192	
SHV	107	6,261,449	July 17, 2001	Scott	210	209	
SHV	108	6,264,802	July 24, 2001	Kamrukov et al.	204	158.2	
SHV	109	6,264,888	July 24, 2001	Palestro et al.	422	24	
SHV	110	6,265,835	July 24, 2001	Parra	315	246	
SHV	111	6,274,049	Aug. 14, 2001	Scott	210	748	
SHV	112	6,280,615	Aug. 28, 2001	Phillips et al.	210	198.1	
SHV	113	6,299,844	Oct. 9, 2001	Toa et al.	422	186	
SHV	114	6,319,809	Nov. 20, 2001	Chang et al.	438	597	
SHV	115	6,328,937	Dec. 11, 2001	Glazman	422	186.3	
SHV	116	6,332,981	Dec. 25, 2001	Loyd	210	198.1	
SHV	117	6,358,478	Mar. 19, 2002	Söremark	422	121	
SHV	118	6,375,833	Apr. 23, 2002	Marston et al.	210	85	
SHV	119	6,398,971	June 4, 2002	Butters et al.	210	748	
SHV	120	6,402,964	June 11, 2002	Schmid	210	748	
SHV	121	6,403,030	June 11, 2002	Horton, III	422	24	
SHV	122	6,404,111	June 11, 2002	Kunkel	313	24	
SHV	123	6,419,821	July 16, 2002	Gadgel et al.	210	86	
SHV	124	6,423,763	July 23, 2002	Blasi	523	161	
SHV	125	6,436,299	Aug. 20, 2002	Baarman et al.	210	748	
SHV	126	6,447,720	Sept. 10, 2002	Horton, III et al.	422	24	
SHV	127	6,447,721	Sept. 10, 2002	Horton, III et al.	422	24	
SHV	128	6,454,937	Sept. 24, 2002	Horton et al.	210	192	
SHV	129	6,454,952	Sept. 24, 2002	Thorpe	210	748	
SHV	130	6,459,087	Oct. 1, 2002	Kaas	250	372	
SHV	131	6,461,520	Oct. 8, 2002	Engelhard et al.	210	748	
SHV	132	6,464,884	Oct. 15, 2002	Gadgil	210	748	



M03A288

SHV	153	6,468,419	Oct. 22, 2002	Kunkel	210	90	
SHV	154	6,497,840	Dec. 24, 2002	Palestro et al.	422	24	
SHV	135	6,500,312	Dec. 31, 2002	Wedekamp	204	157.15	
SHV	136	6,500,346	Dec. 31, 2002	Taghipour et al.	210	748	
SHV	137	6,500,387	Dec. 31, 2002	Bigelow	422	24	
SHV	138	6,503,401	Jan. 7, 2003	Willis	210	748	
SHV	139	6,503,447	Jan. 7, 2003	Mondjian et al.	422	4	
SHV	140	6,534,001	Mar. 18, 2003	Michael et al.	422	24	
SHV	141	6,547,963	Apr. 15, 2003	Tsai	210	232	
SHV	142	6,565,757	May 20, 2003	Wedkamp	210	748	
SHV	143	6,565,803	May 20, 2003	Bolton et al.	422	24	
SHV	144	6,568,489	July 8, 2003	Morrow et al	422	186.3	
SHV	145	6,583,422	June 24, 2003	Boehme	250	432 R	
SHV	146	6,589,323	July 8, 2003	Korin	96	223	
SHV	147	6,589,489	July 8, 2003	Morrow et al.	422	186.3	
SHV	148	6,589,490	July 8, 2003	Parra	422	186.3	
SHV	149	6,599,487	July 29, 2003	Luthra et al.	422	186.3	
SHV	150	6,602,425	Aug. 5, 2003	Gadgil et al.	210	744	
SHV	151	6,605,260	Aug. 12, 2003	Busted	422	186.3	
SHV	152	6,610,258	Aug. 26, 2003	Strobel et al.	422	186.3	

U.S. REISSUED PATENT AND PATENT APPLICATION DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
SHV	153	36,896	Oct. 3, 2000	Maarschalkerweerd	422	186.3	PCT Mar. 4, 1994
SHV	154	US RE38,173	July 8, 2003	Ishiyama	250	431	Feb. 23, 2001
Published							
SHV	155	US 2002/0033369	Mar. 21, 2002	Bender	210	748	Mar. 12, 2001
SHV	156	US 2002/0043504	Apr. 18, 2002	Chen et al.	210	748	Sept. 13, 2001
SHV	157	US 2002/0050479	May 2, 2002	Scott	210	748	Nov. 13, 2001
SHV	158	US 2002/0070177	June 13, 2002	Kozlowski	210	748	Oct. 12, 2001
SHV	159	US 2002/0081246	June 27, 2002	Tsukada et al.	422	186.3	Jan. 3, 2002
SHV	160	US 2002/0094298	July 18, 2002	Monagan	422	5	Dec. 13, 2001
SHV	161	US 2002/0098127	July 25, 2002	Bollini	422	121	Nov. 28, 2001
SHV	162	US 2002/0144955	Oct. 10, 2002	Barak et al.	210	748	Feb. 15, 2001



M03A288

SHV	163	US 2002/0170815	Nov. 21, 2002	Fujii	204	157.3	May 14, 2001
SHV	164	US 2002/0172627	Nov. 21, 2002	Aoyagi	422	186.3	Apr. 13, 2001
SHV	165	US 2003/0010927	Jan. 16, 2003	Wedekamp	250	436	June 18, 2002
SHV	166	US 2003/0021721	Jan. 30, 2003	Hall	422	4	Sept. 13, 2002
SHV	167	US 2003/0035750	Feb. 20, 2003	Neuberger	422	22	Aug. 16, 2001
SHV	168	US 2003/0039576	Feb. 27, 2003	Hall	422	4	PCT July 11, 2001
SHV	169	US 2003/0049809	Mar. 13, 2003	Kaiser et al.	435	173.1	July 16, 2002
SHV	170	US 2003/0064001	Apr. 3, 2003	Fries et al.	422	22	Oct. 12, 2001
SHV	171	US 2003/0089670	May 15, 2003	Saccomanno	210	748	Oct. 9, 2002
SHV	172	US 2003/0099569	May 29, 2003	Lentz et al.	422	24	Nov. 26, 2001
SHV	173	US 2003/0127603	July 10, 2003	Horowitz et al.	250	435	May 15, 2002
SHV	174	US 2003/0129105	July 10, 2003	Boehrme	422	186.3	Jan. 7, 2002
SHV	175	US 2003/0147770	Aug. 7, 2003	Brown et al.	422	24	May 17, 2002
SHV	176	US 2003/0147783	Aug. 7, 2003	Taylor	422	186.3	Feb. 27, 2003
SHV	177	US 2003/0150708	Aug. 14, 2003	Fink	204	157.3	Jan. 2, 2003
SHV	178	US 2003/0155524	Aug. 21, 2003	McDonald et al.	250	435	PCT May 3, 2001
SHV	179	US 2003/0155228	Aug. 21, 2003	Mills et al.	204	157.3	PCT Nov 30, 2000

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
							YES	NO	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED	
	Apr 15, 2004	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		